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Approved for use through 10/31/2002. OMB 0651-0032  
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050604

05909

U.S. PTO

15364

**UTILITY  
PATENT APPLICATION  
TRANSMITTAL**

Only for new nonprovisional applications under 37 CFR 1.53(b)

Attorney Docket No.		DP-310233
First Inventor		Marvin V. Manwaring et al.
Title	Adaptive Energy Absorbing System Using Pin Pullers	
Express Mail Label No.	EV308125821US	

U.S. PTO  
10/840087

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**APPLICATION ELEMENTS**

See MPEP chapter 600 concerning utility patent application contents

1. ☒ Fee Transmittal Form (e.g., PTO/SB/17)  
(Submit an original and a duplicate for fee processing)
2. ☐ Applicant claims small entity status.  
See 37 CFR 1.27.
3. ☒ Specification [Total Pages ( 11 )]  
(preferred arrangement set forth below)  
Descriptive title of the invention  
Cross reference to related applications  
Statement regarding Fed sponsored R & D  
Reference to sequence listing, a table, or a  
Computer program listing appendix  
Background of the Invention  
Brief Summary of the invention  
Brief Description of the Drawings  
Detailed description  
Claim(s)  
Abstract of the Disclosure
4. ☒ Drawing(s) (35 USC 113) [Total Sheets ( 4 )]
5. ☒ Oath or Declaration [Total Pages ( 5 )]
  - a. ☒ Newly executed (original copy)
  - b. ☐ Copy from a prior application (37 CFR 1.63)
- (d)
  - i. ☐ **DELETION OF INVENTOR(S)**  
Signed statement attached deleting inventor(s)  
Named in the prior application, see 37 CFR  
1.63(d)(2) and 1.33(b).
6. ☐ Application Data Sheet. See 37 CFR 1.76

ADDRESS TO: Commissioner for Patents  
MAILSTOP Patent Application, PO BOX 1450  
Alexandria, VA 22313-1450

7. ☐ CD-ROM or CD-R in duplicate, large table or  
Computer Program (Appendix)
8. ☐ Nucleotide and/or Amino Acid Sequence Submission  
(if applicable, all necessary)
  - a. ☐ Computer Readable Form (CRF)
  - b. Specification Sequence Listing on:
    - i. ☐ CD-ROM or CD-R (2 copies); or
    - ii. ☐ paper
  - c. ☐ Statements verifying identify of above copies

**ACCOMPANYING APPLICATION PARTS**

9. ☐ Assignment Papers (cover sheet & document(s))
10. ☐ 37 CFR 3.73(b) Statement ☐ Power of Attorney  
(when there is an assignee)
11. ☐ English Translation Document (if applicable)
12. ☒ Information Disclosure Statement ☐ Copies of IDS  
(IDS)/PTO-1449 Citations
13. ☐ Preliminary Amendment
14. ☒ Return Receipt Postcard (MPEP 503)  
(Should be specifically itemized)
15. ☐ Certified Copy of Priority Document(s)  
(if foreign priority is claimed)
16. ☐ Request and Certification under 35 USC 122  
(b)(2)(B)(i). Applicant must attach form PTO/SB/35  
or its equivalent.
17. ☒ Other: Check for the payment of the filing fee

18. If a CONTINUING APPLICATION, check appropriate box, and supply the requisite information below and in a preliminary amendment, or in an Application Data sheet under 37 CFR. 76:

☐ Continuation ☐ Divisional ☐ Continuation-in-part (CIP) of prior application no.: \_\_\_\_\_ / \_\_\_\_\_  
 Prior application information: Examiner \_\_\_\_\_ Group Art Unit: \_\_\_\_\_

For CONTINUATION or DIVISIONAL APPS only: The entire disclosure of the prior application, from which an oath or declaration is supplied under Box 5b, is considered a part of the accompanying continuation or divisional application and is hereby incorporated by reference. The incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts.

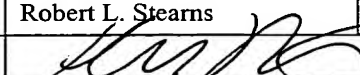
**19. CORRESPONDENCE ADDRESS**☒ Customer Number or Bar Code Label

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or ☐ Correspondence address below

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Country	Telephone	Fax	

Name (Print/Type)	Robert L. Stearns	Registration-No. (Attorney/Agent)	36,937
Signature		Date	May 6, 2004

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05909 U.S. PTO  
059604**FEE TRANSMITTAL  
for FY 2004**

Patent fees are subject to annual revision.

☐ Applicant Claims small entity status. See 37 CFR 1.27**Complete if Known**

Application Number	Herewith
Filing Date	May 6, 2004
First Named Inventor	Marvin V. Manwaring et al.
Examiner Name	Not Yet Assigned
Group / Art Unit	Not Yet Assigned
Attorney Docket No.	DP-310233

**TOTAL AMOUNT OF PAYMENT (\$)** 770**METHOD OF PAYMENT (check all that apply)**☒ Check ☐ Credit Card ☐ Money Order ☐ Other  
☐ Deposit Account ☐ NoneDeposit  
Account  
Number

08-2789

Deposit  
Account  
Name

Howard &amp; Howard

The Director is authorized to: (check all that apply)

☐ Charge fee(s) indicated below ☐ Credit any overpayments  
☒ Charge any additional fee(s) during the pendency of this application  
☐ Charge fee(s) indicated below, except for the filing fee to the above identified deposit account.**FEE CALCULATION****1. BASIC FILING FEE**

Large Fee Code	Entity Fee (\$)	Small Fee Code	Entity Fee (\$)	Fee Description	Fee Paid
1001	770	2001	385	Utility filing fee	770
1002	340	2002	170	Design filing fee	
1003	530	2003	265	Plant filing fee	
1004	770	2004	385	Reissue filing fee	
1005	160	2005	80	Provisional filing fee	

**SUBTOTAL (1)**

(\$ 770)

**2. EXTRA CLAIM FEES**

	Large Fee Code	Entity Fee (\$)	Small Fee Code	Entity Fee (\$)	Fee Description	Fee Paid
Total Claims	19	-20**	0	18		0
Independent Claims	2	-3**	0			0
Multiple Dependent						0

Large Fee Code	Entity Fee (\$)	Small Fee Code	Entity Fee (\$)	Fee Description	Fee Paid
1202	18	2202	9	Claims in excess of 20	
1201	86	2201	43	Independent claims in excess of 3	
1203	200	2203	145	Multiple dependent claim, if not paid	
1204	86	2204	43	** Reissue independent claims over original patent	
1205	18	2205	9	** Reissue claims in excess of 20 and over original patent	

**SUBTOTAL (2)**

(\$ 0)

\*\*or number previously paid, if greater; For Reissues, see above

**FEE CALCULATION (continued)****3. ADDITIONAL FEES**

Large Fee Code	Entity Fee (\$)	Small Fee Code	Entity Fee (\$)	Fee Description	Fee Paid
1051	130	2051	65	Surcharge - late filing fee or oath	
1052	50	2052	25	Surcharge - late provisional filing fee or cover sheet.	
1053	130	1053	130	Non-English specification	
1812	2,520	1812	2,520	For filing a request for <i>exparte</i> reexamination	
1804	920*	1804	920*	Requesting publication of SIR prior to Examiner action	
1805	1,840*	1805	1,840*	Requesting publication of SIR after Examiner action	
1251	110	2251	55	Extension for reply within first month	
1252	420	2252	210	Extension for reply within second month	
1253	950	2253	475	Extension for reply within third month	
1254	1,480	2254	740	Extension for reply within fourth month	
1255	2,010	2255	1,005	Extension for reply within fifth month	
1401	330	2401	165	Notice of Appeal	
1402	330	2402	165	Filing a brief in support of an appeal	
1403	290	2403	145	Request for oral hearing	
1451	1,510	1451	1,510	Petition to institute a public use proceeding	
1452	110	2452	55	Petition to revive - unavoidable	
1453	1,330	2453	665	Petition to revive - unintentional	
1501	1,330	2501	665	Utility issue fee (or reissue)	
1502	480	2502	240	Design issue fee	
1503	640	2503	320	Plant issue fee	
1460	130	1460	130	Petitions to the Commissioner	
1807	50	1807	50	Processing fee under 37 CFR 1.17(q)	
1806	180	1806	180	Submission of Information Disclosure Stmt	
8021	40	8021	40	Recording each patent assignment per property (times number of properties)	
1809	770	2809	385	Filing a submission after final rejection (37 CFR § 1.129(a))	
1810	770	2810	385	For each additional invention to be examined (37 CFR § 1.129(b))	
1801	770	2801	385	Request for Continued Examination (RCE)	
1802	900	1802	900	Request for expedited examination of a design application	

Other fee (specify)

\*Reduced by Basic Filing Fee Paid

**SUBTOTAL (3)**

(\$ 0)

**SUBMITTED BY**

Name (Print/Type)

Robert L. Stearns

Registration No. Attorney/Agent)

36,937

**Complete (if applicable)**

Telephone

248.723.0427

Signature

Date

05/06/04

WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.

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**PATENT**

(Attorney's Docket No.DP-310233)

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re Application of:

Marvin V. Manwaring, Richard K. Riefe,  
Ray G. Armstrong, Lee M. Tinnin,  
Ravindra Jwalapathy

Serial No.: Herewith

Group Art Unit: Not Assigned

Filed: May 6, 2004

Examiner: Not Assigned

For: Adaptive Energy Absorbing System Using Pin Pullers

**Mail Stop: Non Provisional Patent Application**

**Commissioner for Patents**

**P.O. Box 1450**

**Alexandria, VA 22313-1450**

**EXPRESS MAIL CERTIFICATE**

"Express Mail" label number

**EV 308125821 US**

Date of Deposit

**May 6, 2004**

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<input checked="" type="checkbox"/>	Utility Patent Application Transmittal
<input checked="" type="checkbox"/>	Fee Transmittal and Check
<input checked="" type="checkbox"/>	Executed Declaration & Power of Attorney
<input checked="" type="checkbox"/>	Patent Application in English
	6 pages Specifications, 4 Pages Claims
	1 Page Abstract, 4 sheets drawings

☒ IDS Statement and Form PTO/SB/08A

is being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 CFR 1.10 on the date indicated above and is addressed to the Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

Sandra L. Barry

(Typed or printed name of person mailing paper or fee)

*Sandra L. Barry*

Signature of person mailing paper or fee)

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